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X1

PHOTOGRAPHIC INTERPRETATION REPORT

SHANG-HAI PORT FACILITIES
SHANG-HAI, CHINA

Declass Review by NIMA/DOD

NPIC/R-241/65
JULY 1965

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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X1

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INTRODUCTION

This is one of a series of reports on Chinese Communist shipyards and port facilities observed on aerial photography.

25X1A Shang-hai Port Facilities

25X1A and associated wharfage are located on both banks of the Huang-pu Chiang (River) at 31-14N 121-29E (Figure 1). The port consists of approximately 25 nautical miles (nm) of river front (Figures 2-18) extending southward from the confluence of the Huang-pu with the Chang Chiang (Yangtze River).

DESCRIPTION

This river port is subject to continuous silting and mud flats are prevalent, seriously limiting alongside depths. This results in long approaches to pontoons and wharves. Primarily a lighter port, pontoons and small offshore wharves are predominant in most of the port area. There is almost no rail service and little cranage at dock side. An excellent road net provides access to the urban area with rail- and water-borne traffic serving the hinterland.

The port facilities reflect little change in the period. 25X1D

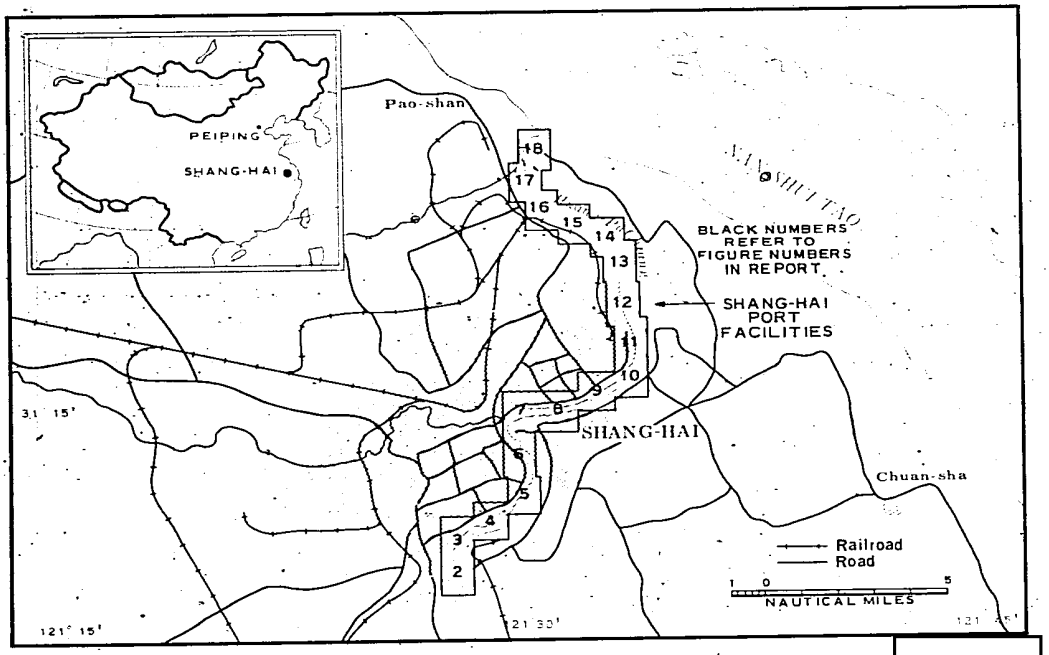

FIGURE 1. LOCATION OF SHANG-HAI PORT FACILITIES, CHINA.

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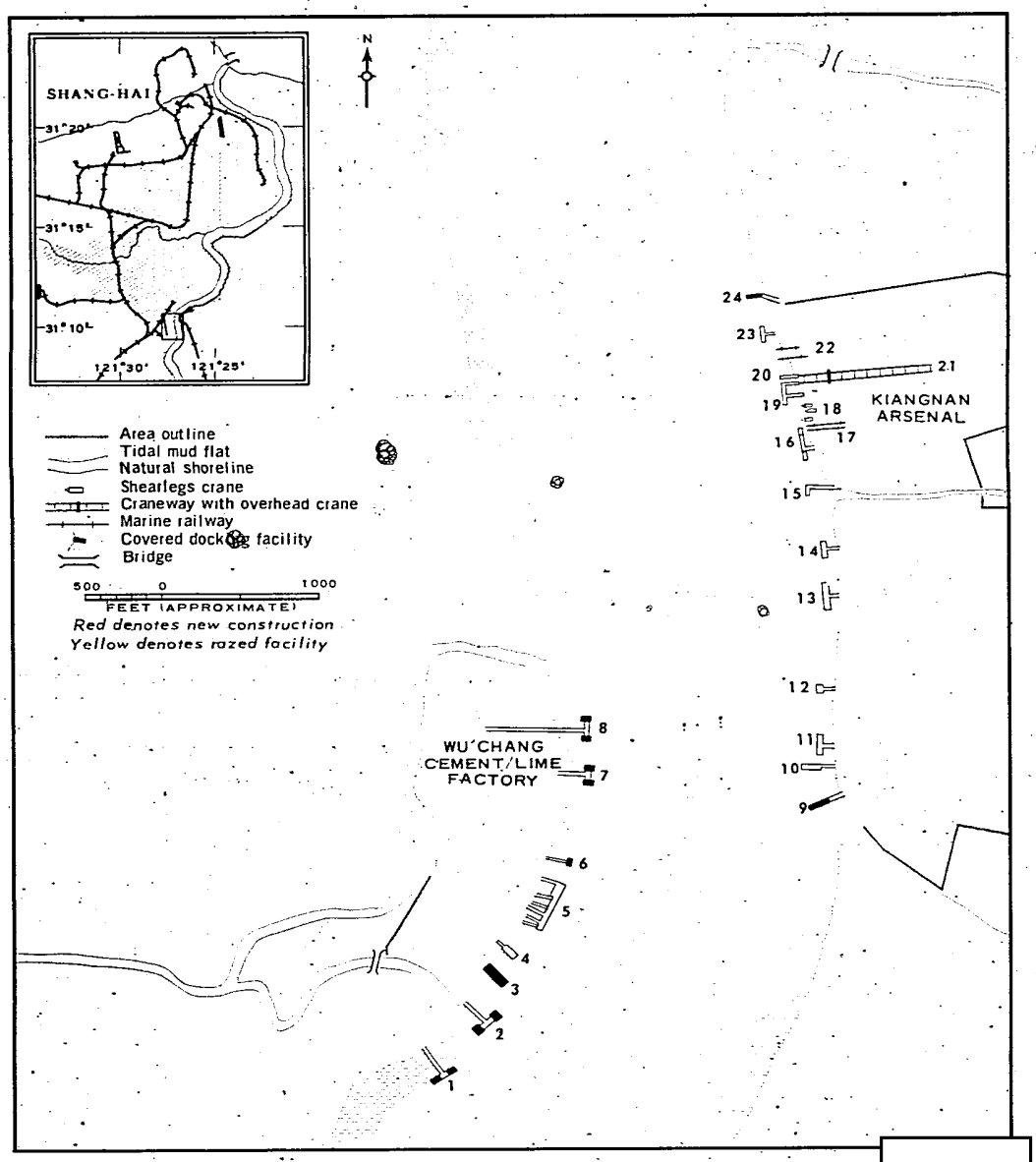

FIGURE 2. SHANG-HAI PORT, SHANG-HAI, CHINA.

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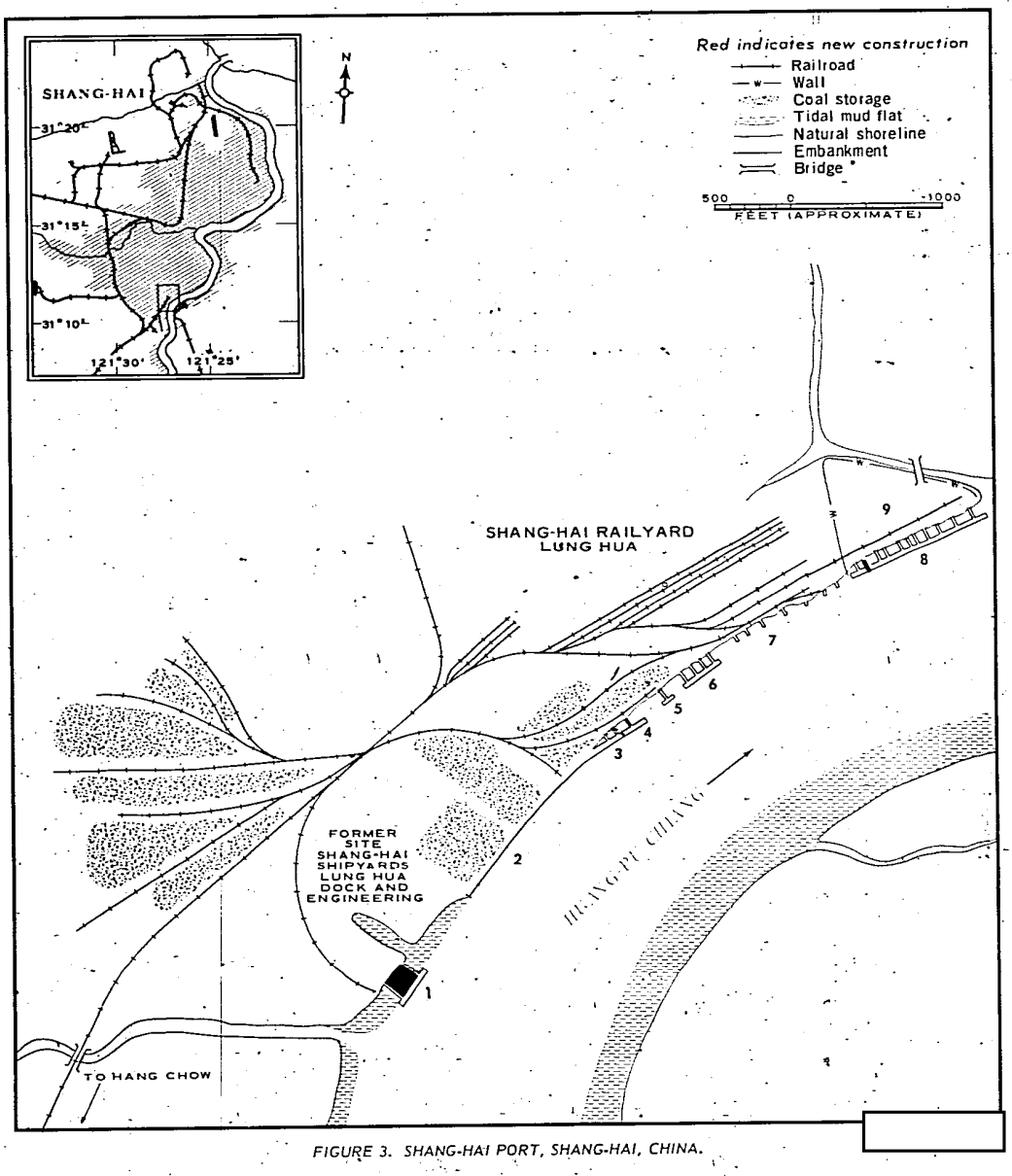

FIGURE 3. SHANG-HAI PORT, SHANG-HAI, CHINA.

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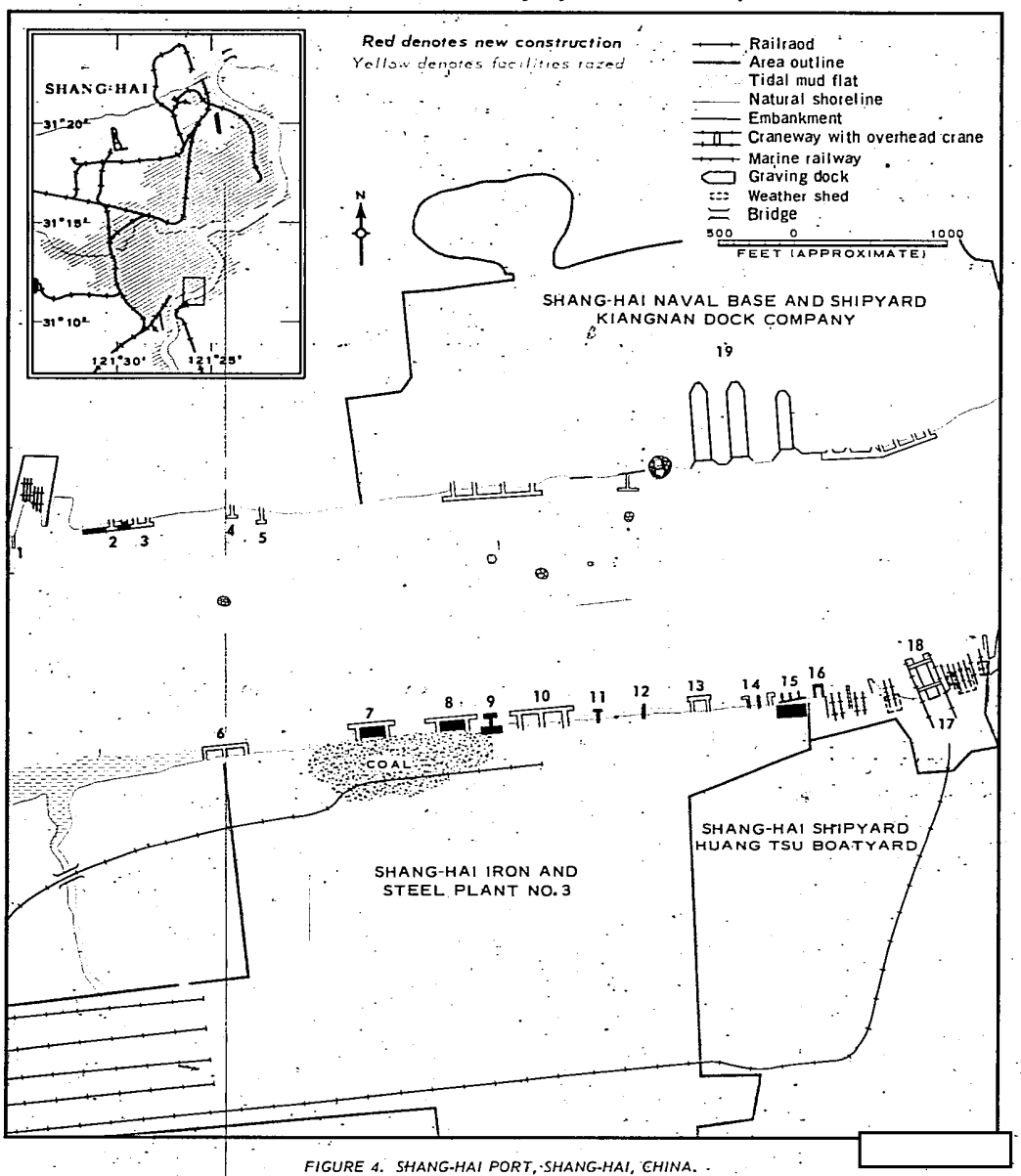

FIGURE 4. SHANG-HAI PORT, SHANG-HAI, CHINA.

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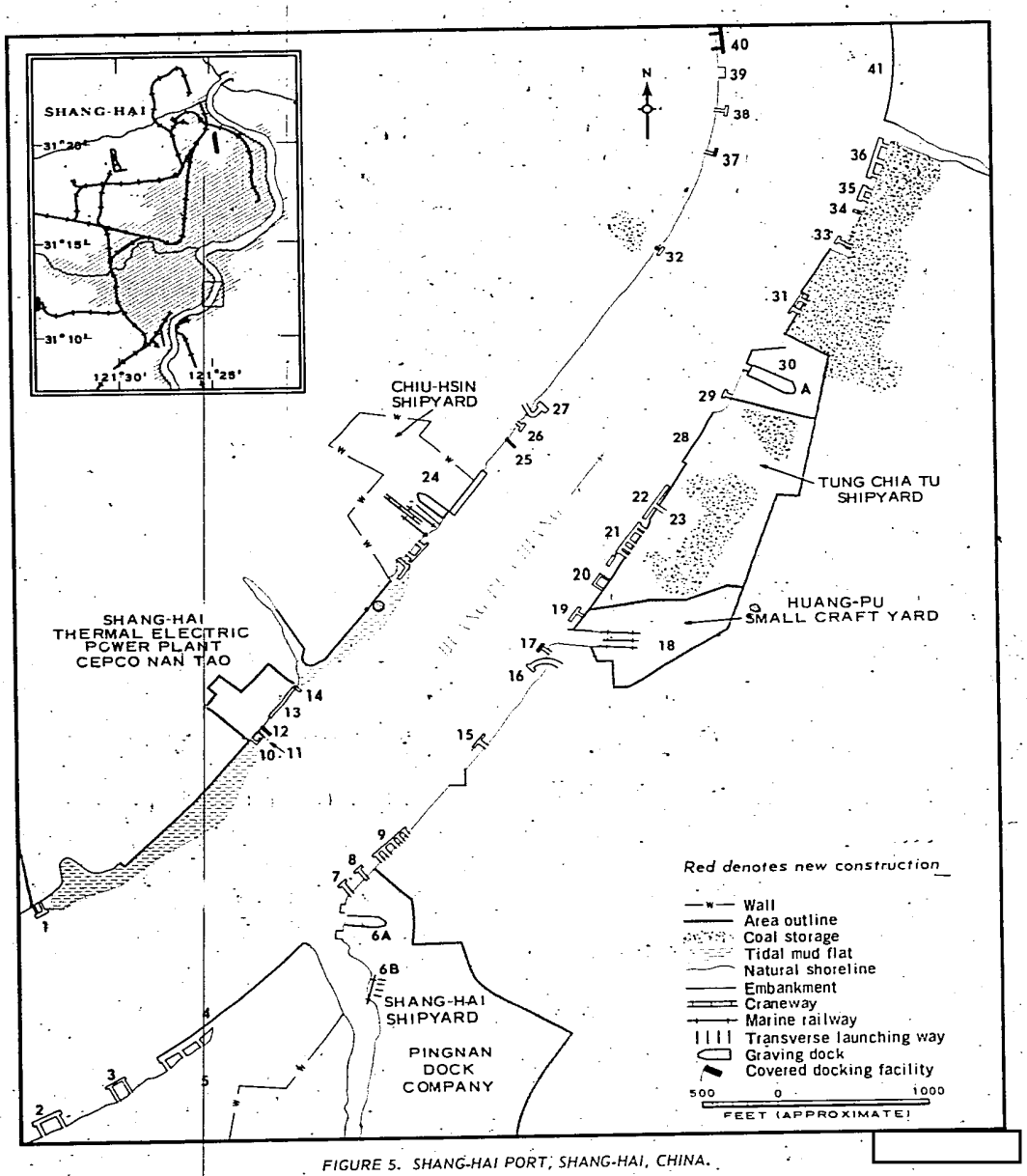

FIGURE 5. SHANG-HAI PORT, SHANG-HAI, CHINA.

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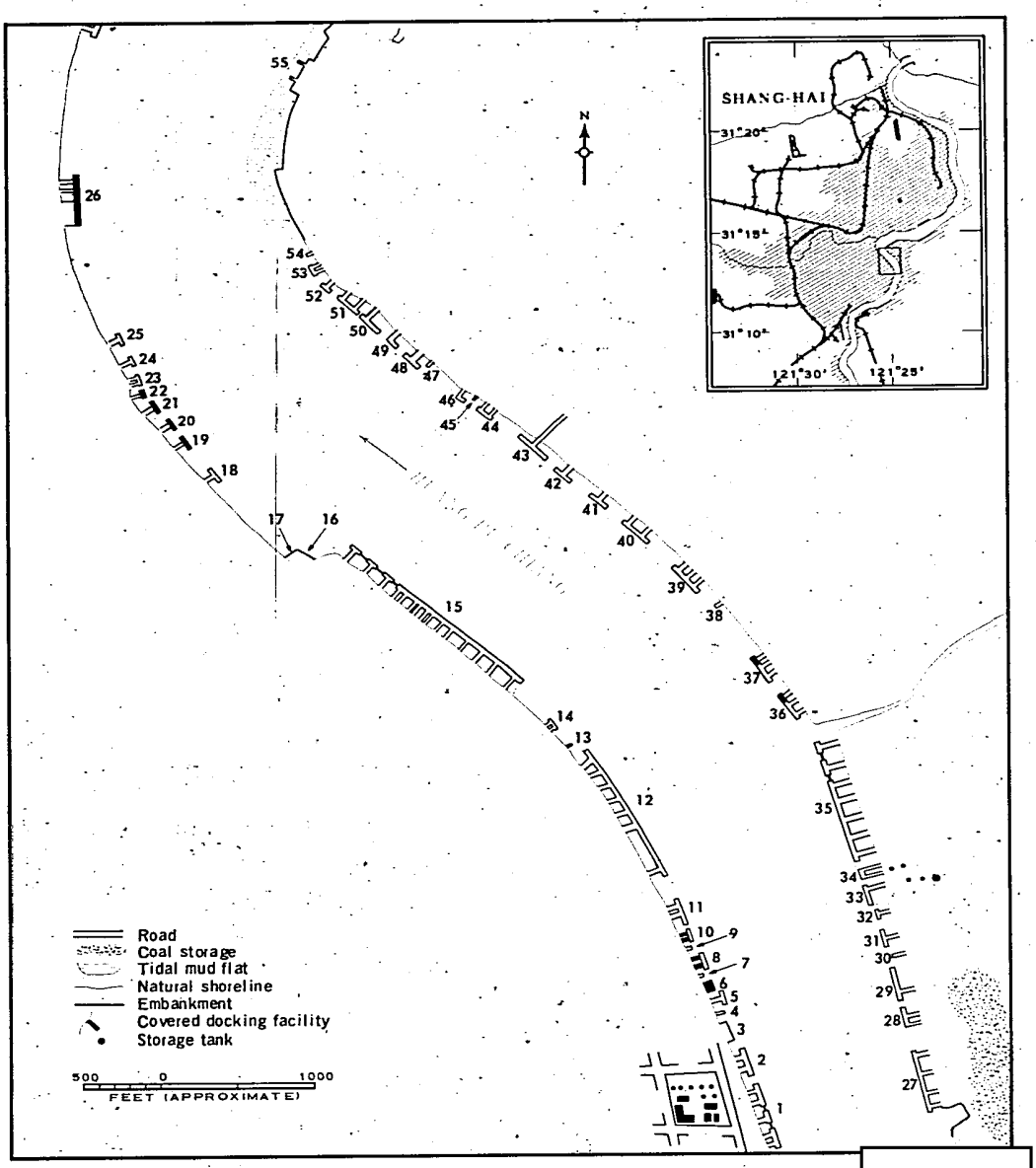

FIGURE 6. SHANG-HAI PORT,, SHANG-HAI, CHINA.

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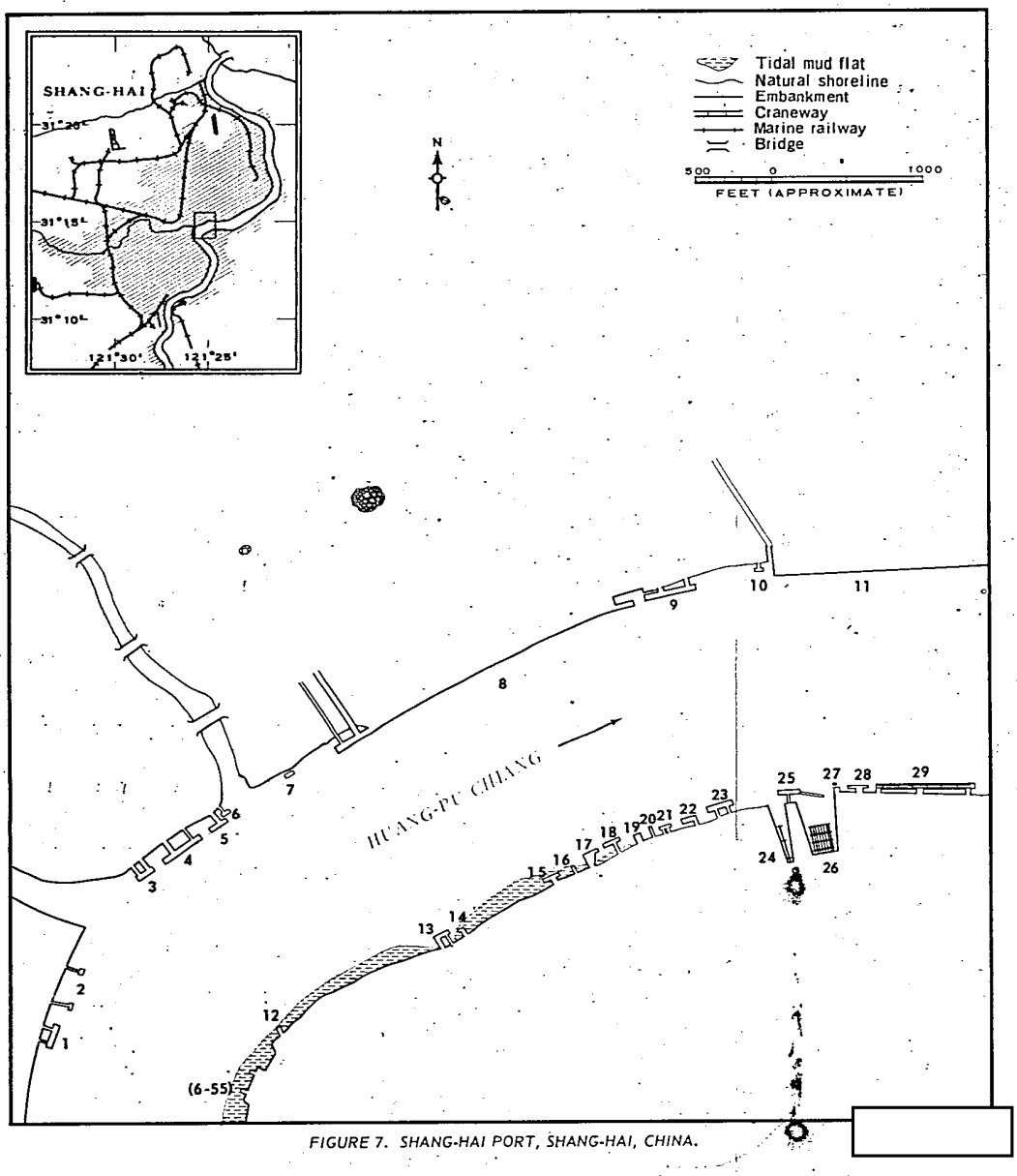

FIGURE 7. SHANG-HAI PORT, SHANG-HAI, CHINA.

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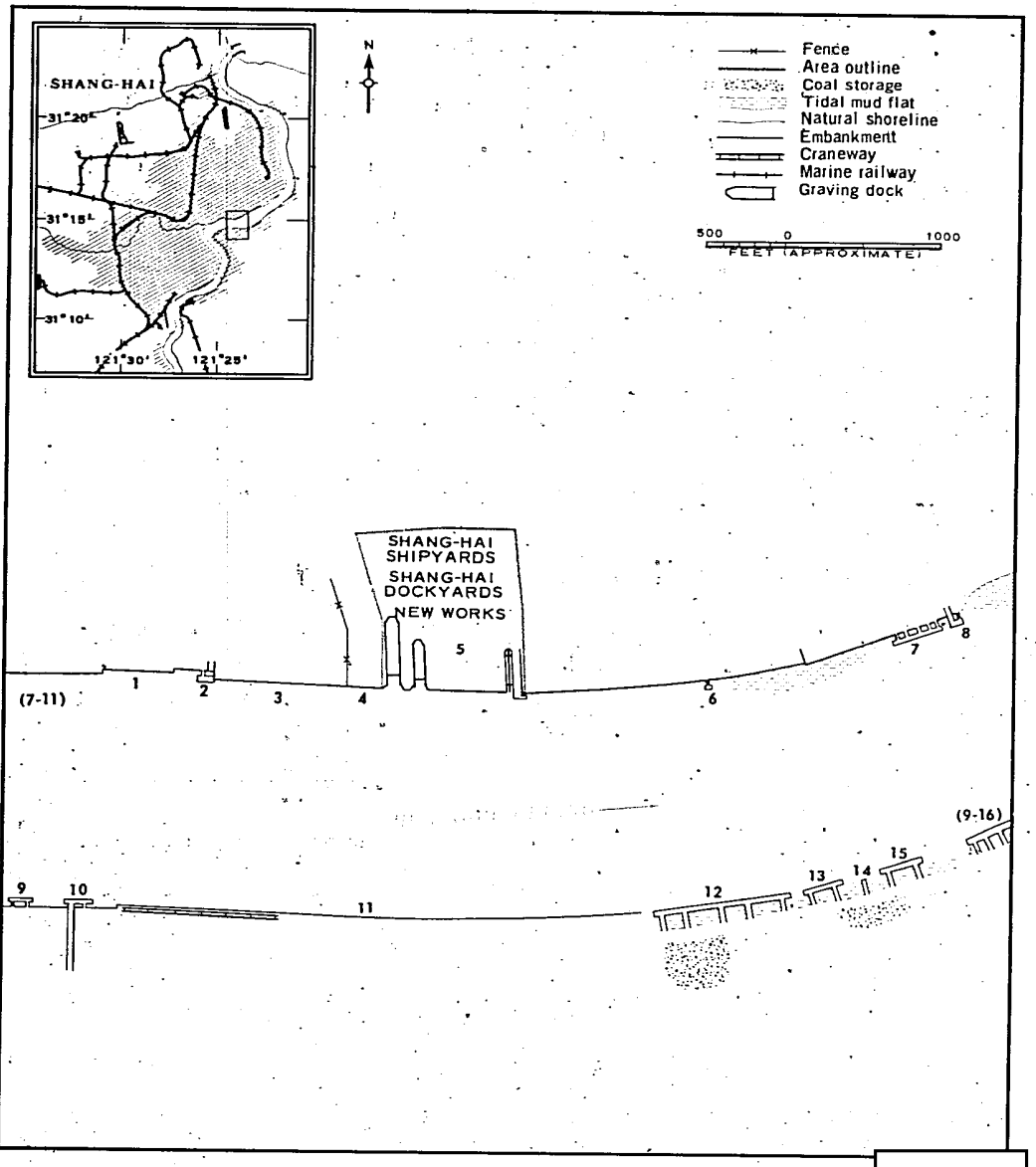

FIGURE 8. SHANG-HAI PORT, SHANG-HAI, CHINA.

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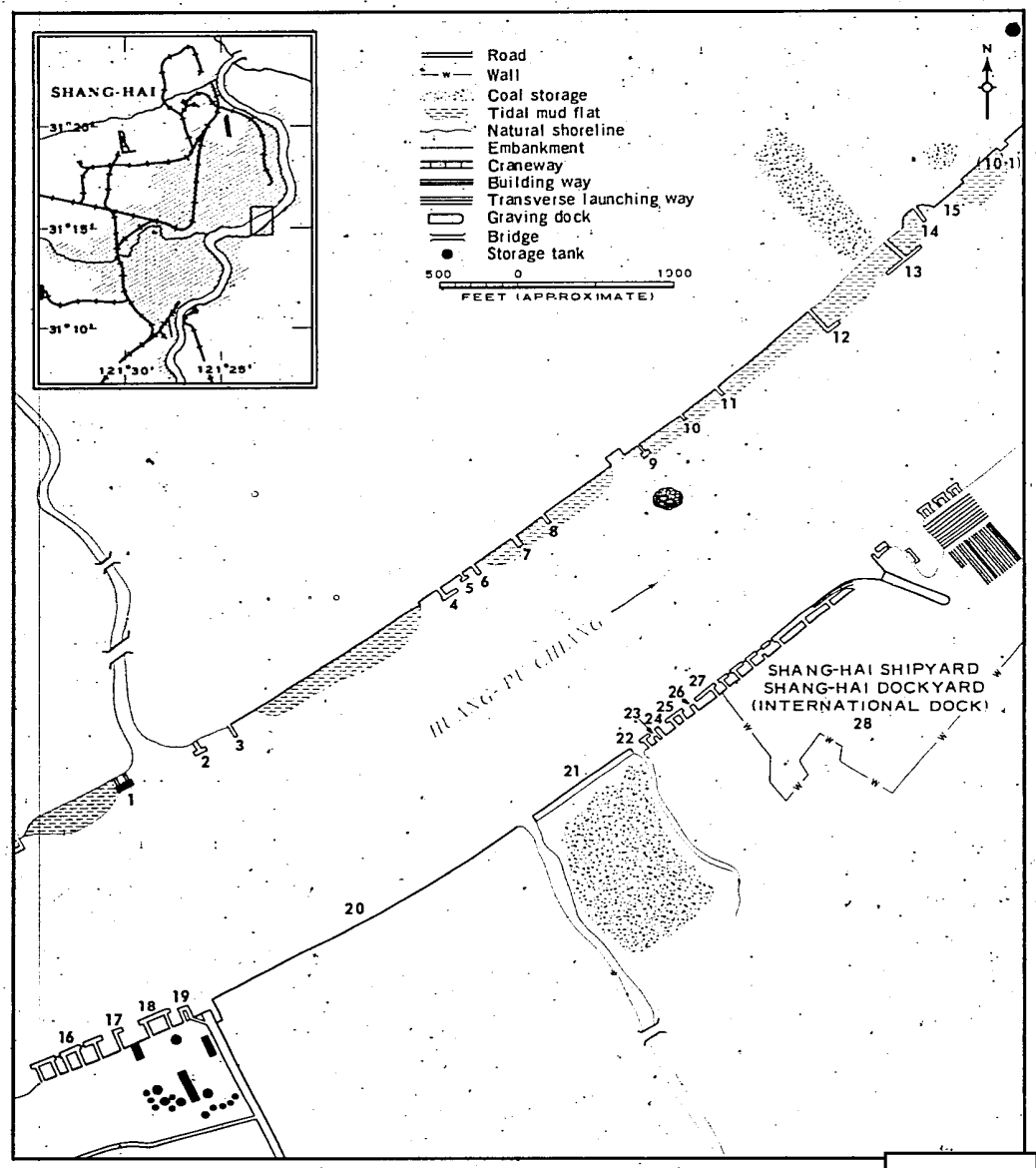

FIGURE 9. SHANG-HAI PORT, SHANG-HAI, CHINA.

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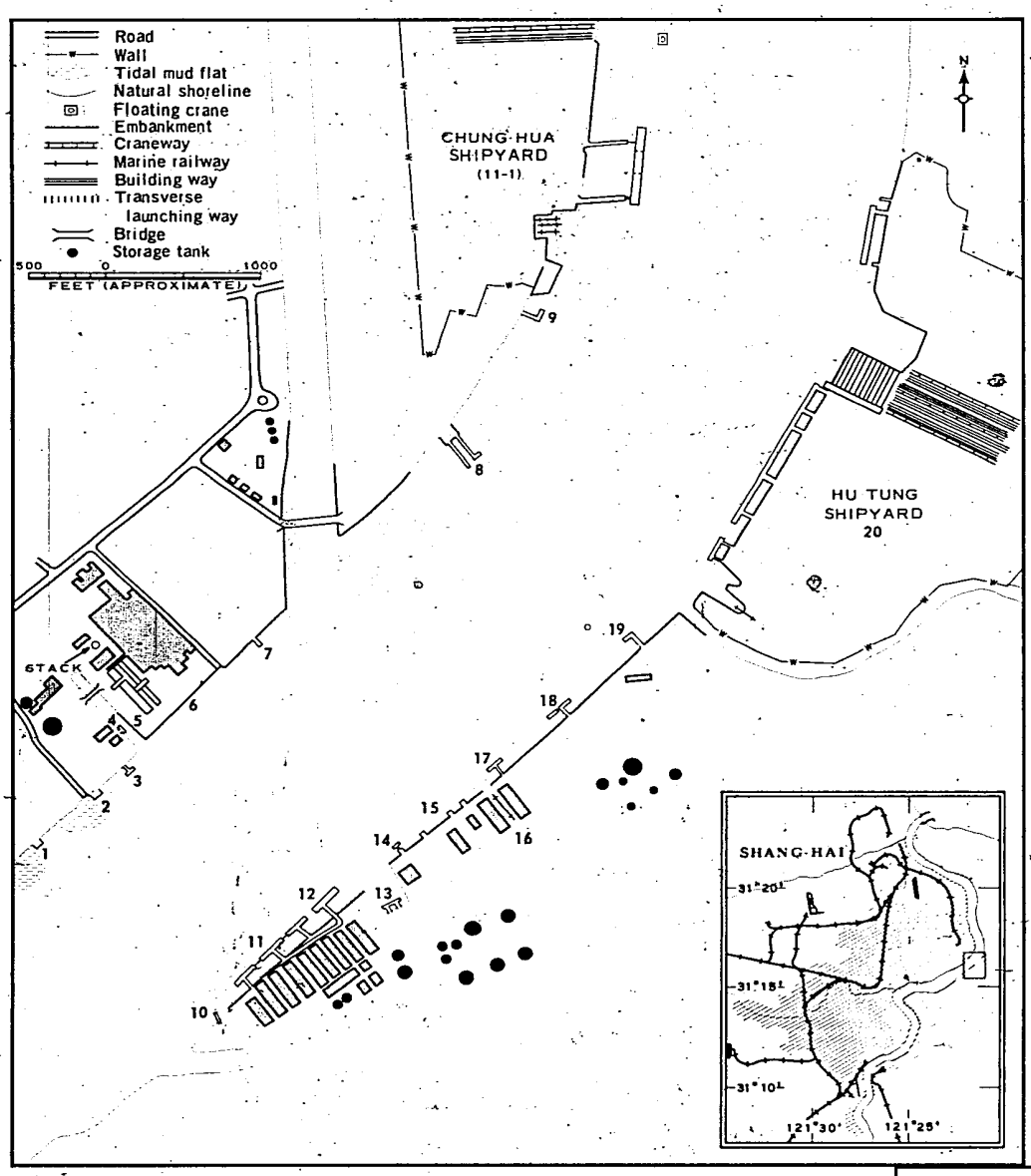

FIGURE 10. SHANG-HAI PORT, SHANG-HAI, CHINA.

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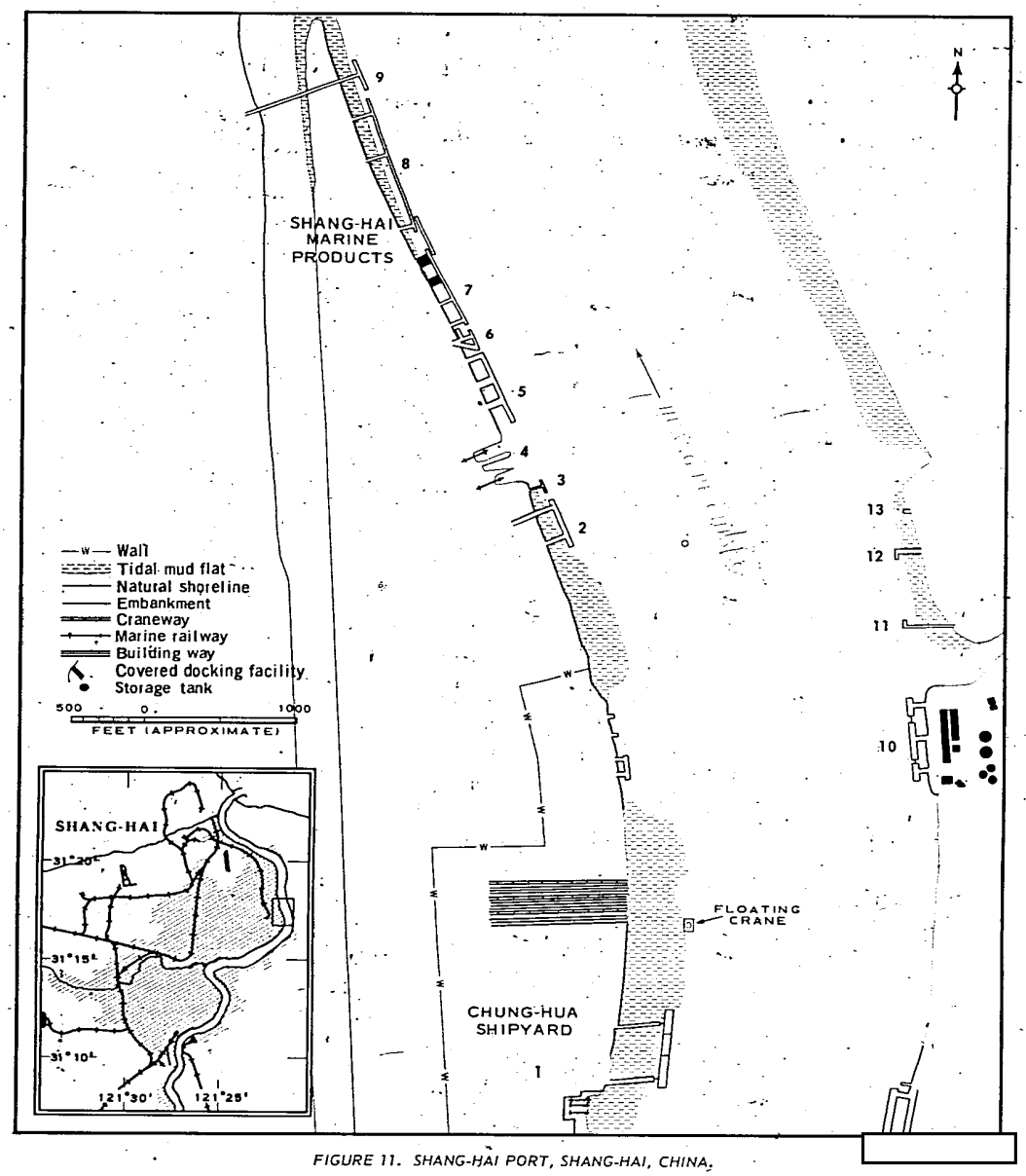

FIGURE 11. SHANG-HAI PORT, SHANG-HAI, CHINA.

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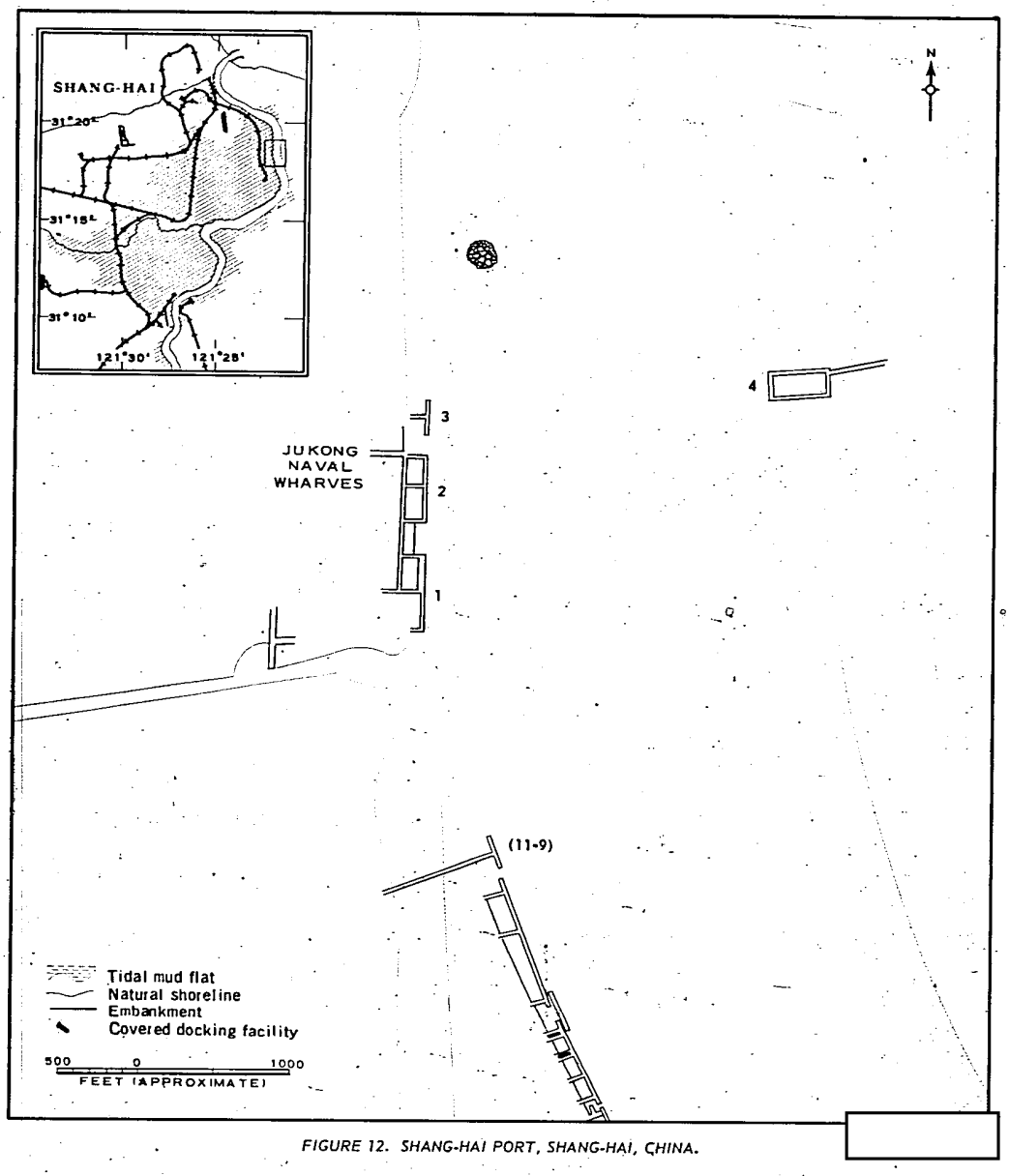

FIGURE 12. SHANG-HAI PORT, SHANG-HAI, CHINA.

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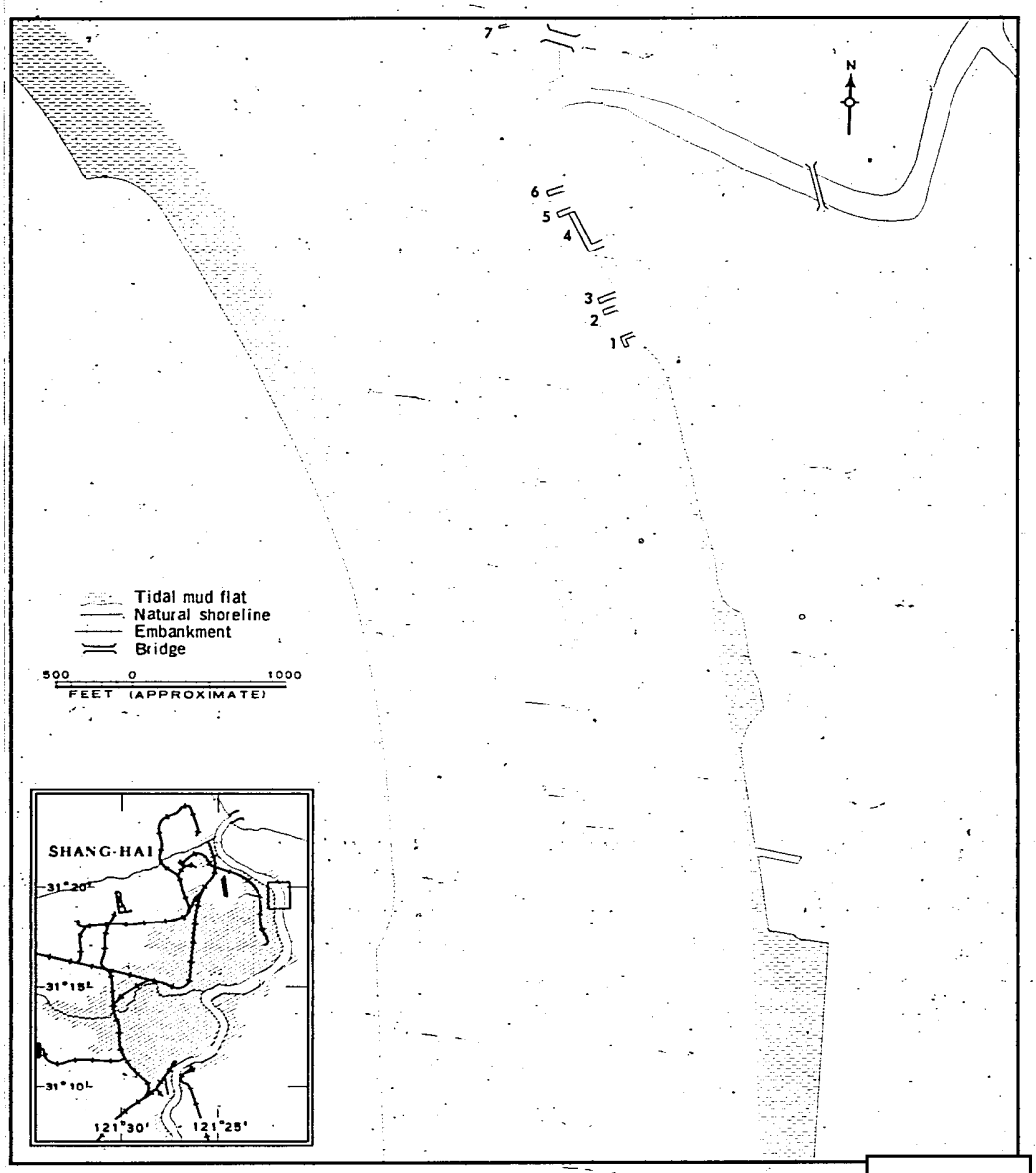

FIGURE 13. SHANG-HAI PORT, SHANG-HAI, CHINA.

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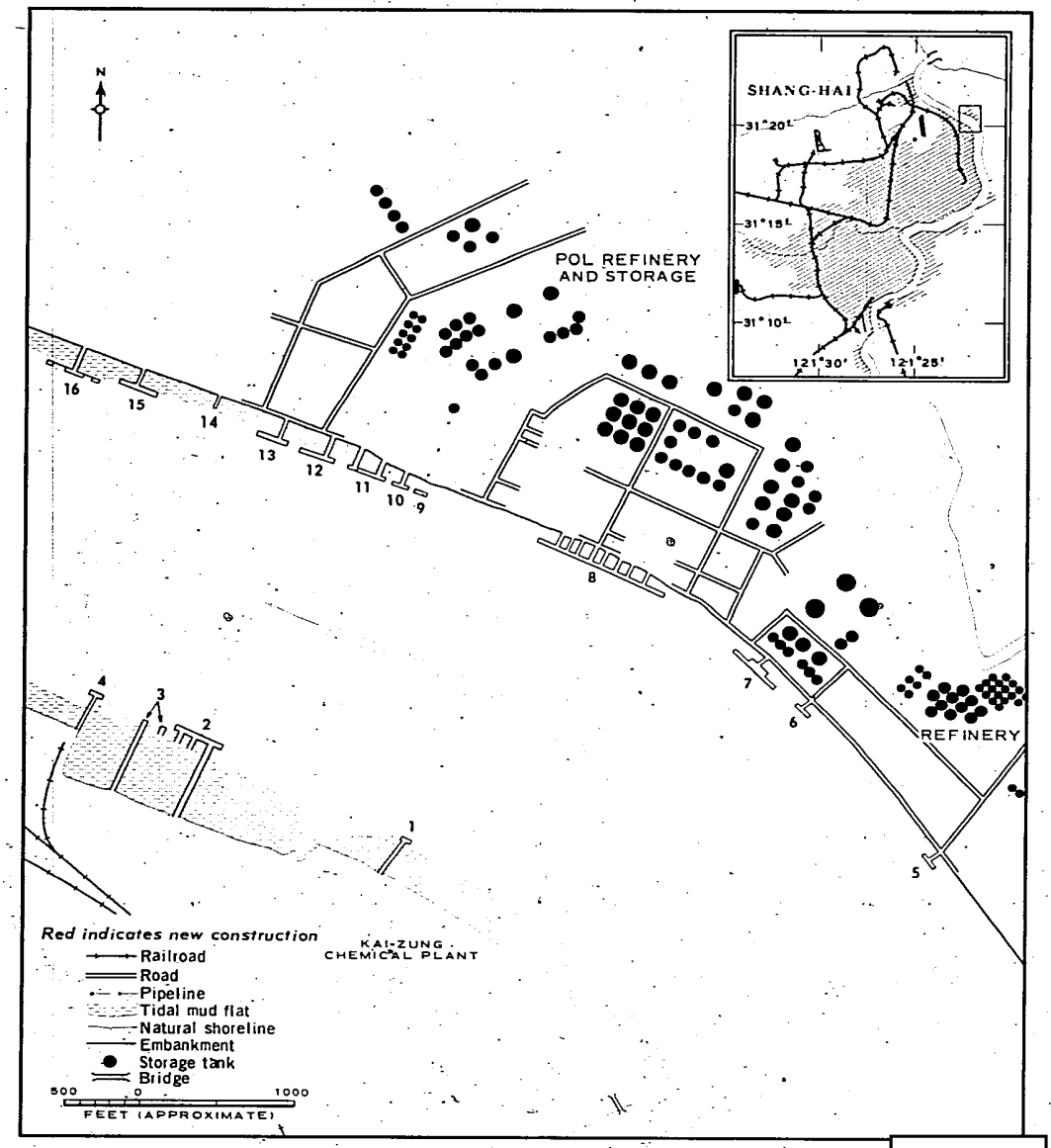

FIGURE 14. SHANG-HAI PORT, SHANG-HAI, CHINA.

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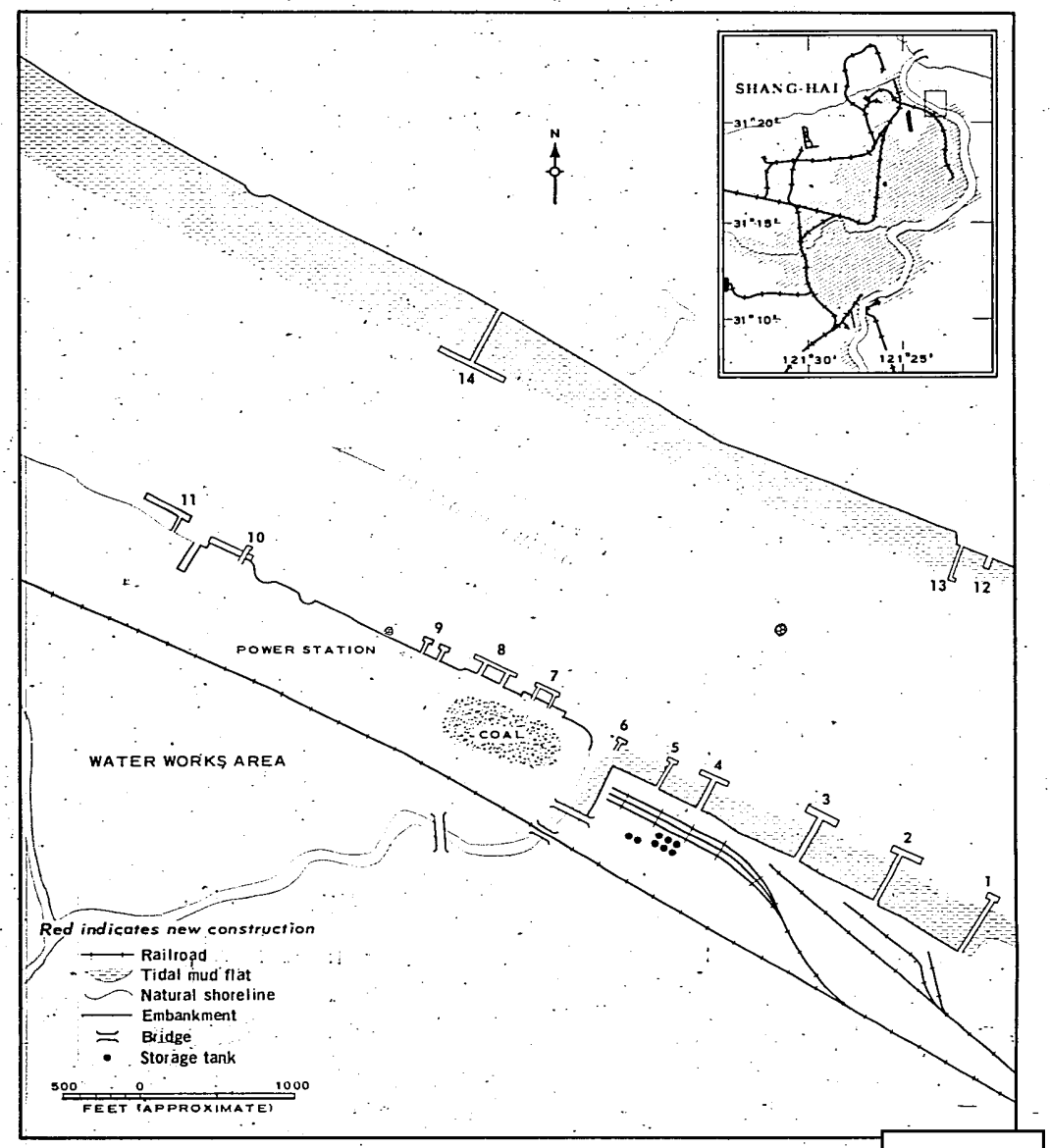

FIGURE 15. SHANG-HAI PORT, SHANG-HAI, CHINA.

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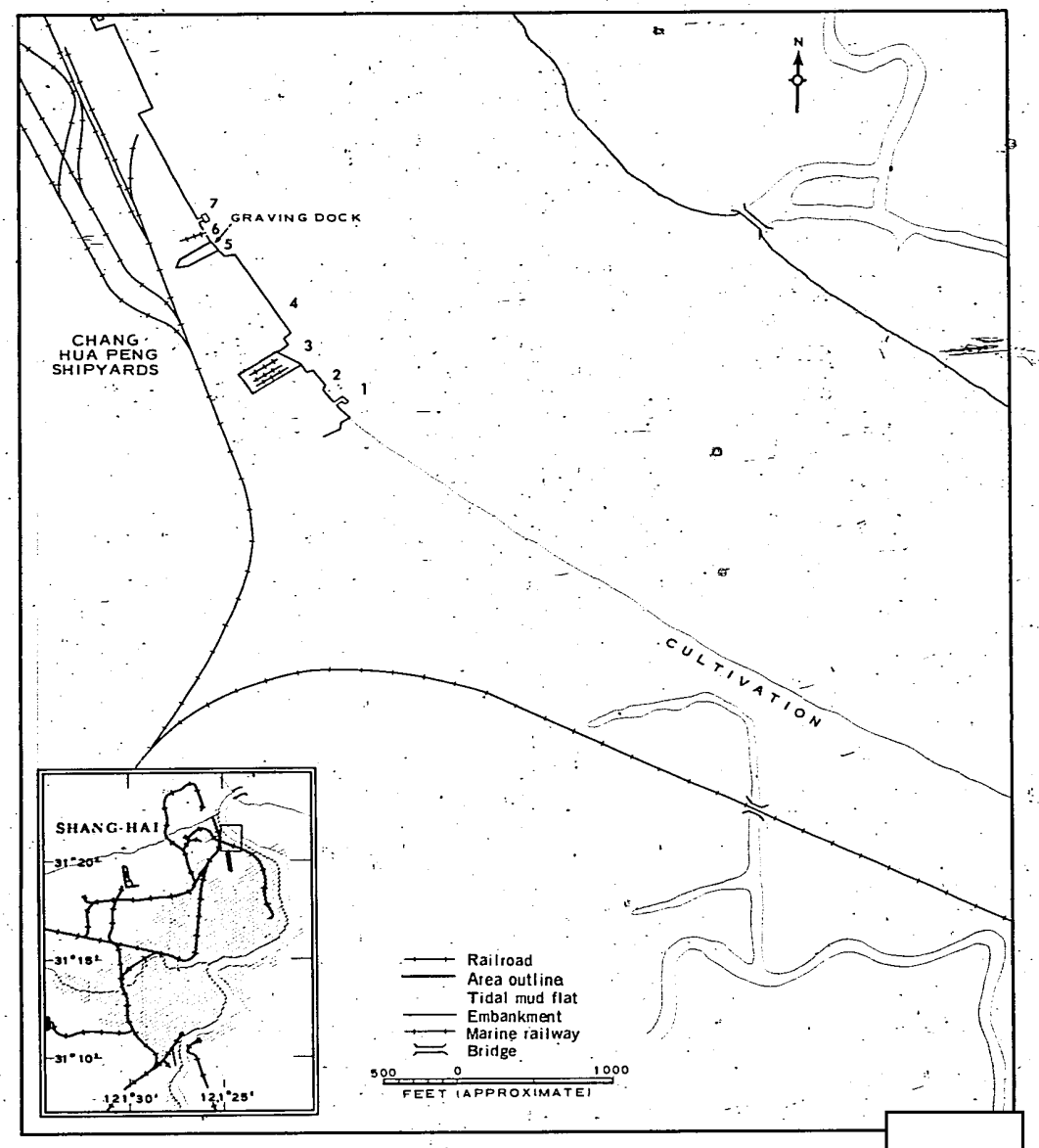

FIGURE 16. SHANG-HAI PORT, SHANG-HAI, CHINA.

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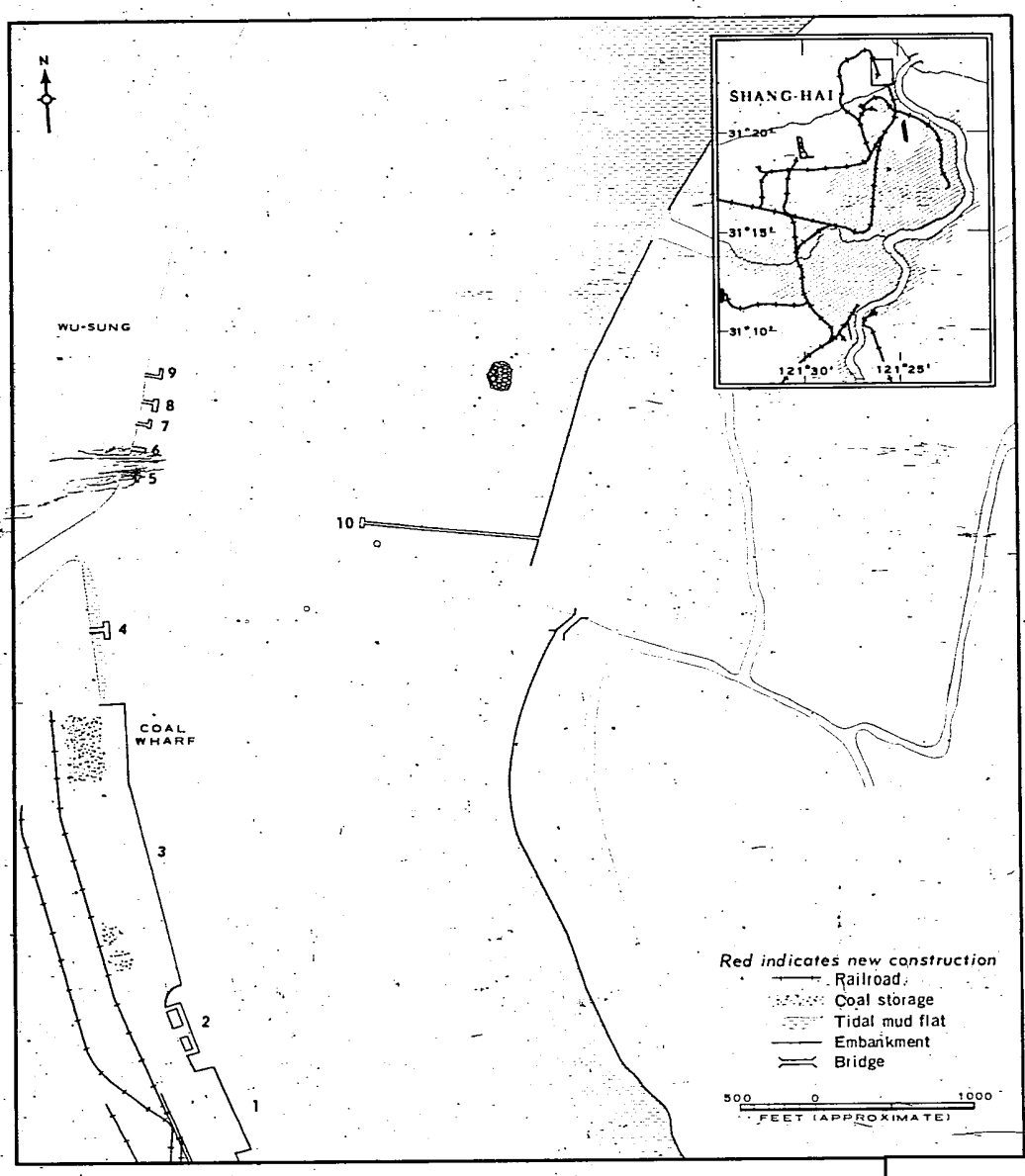

FIGURE 17. SHANG-HAI PORT, SHANG-HAI, CHINA.

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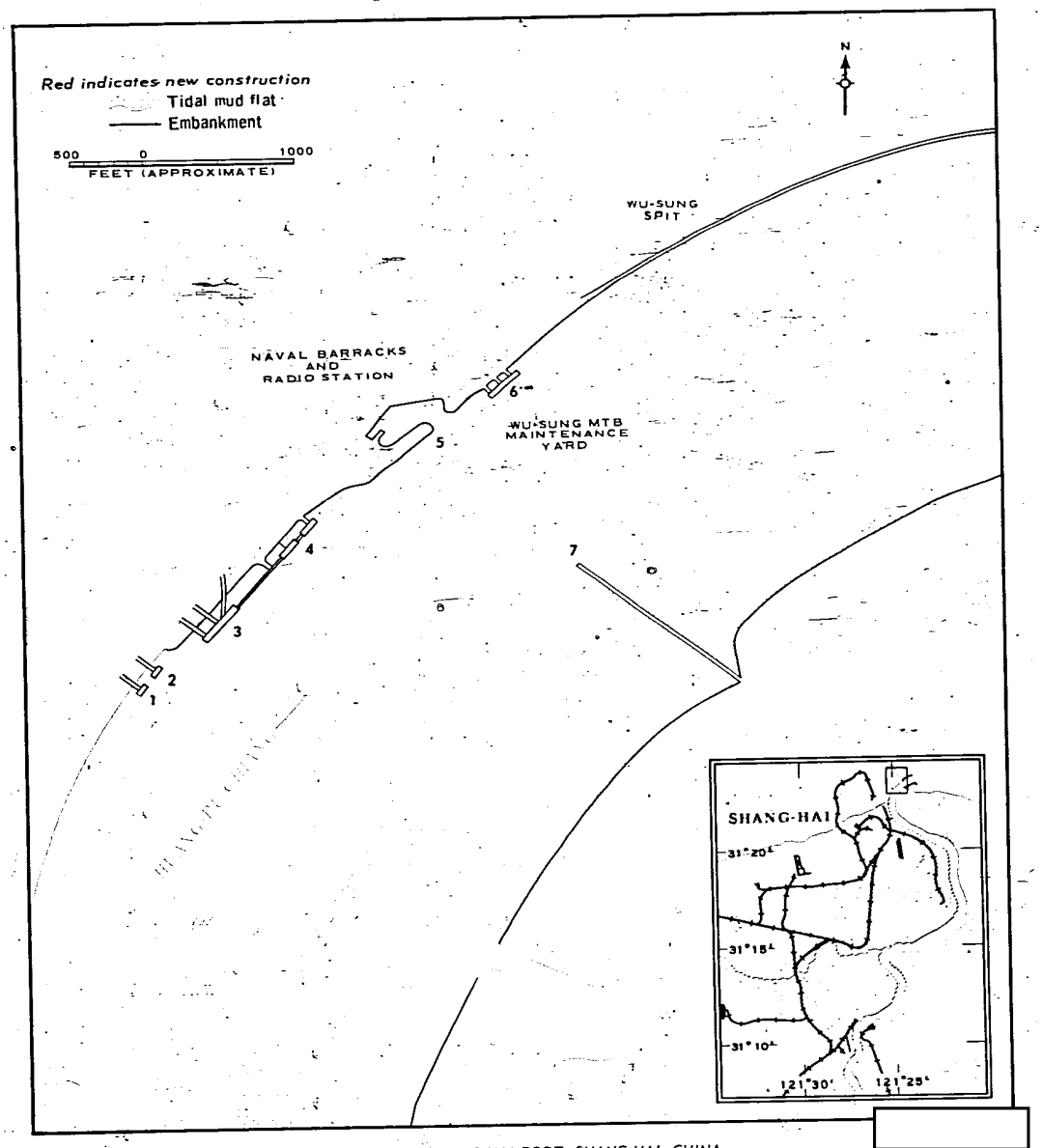

FIGURE 18. SHANG-HAI PORT, SHANG-HAI, CHINA.

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TABLE 1. (Continued)

Figure/Item	Description	Dimensions (ft)	Remarks
7-10	Pontoon wharf	45 x 25	
	Approach	30	
7-11	Marginal wharf	2,005	2 automotive cranes
7-12	Pier		
7-13	Offshore wharf	115 x 25	
	Approaches (2)	15	
7-14	Possible breasting platform		
	Approach		
7-15	Pontoon wharf	45 x 25	
	Approach	5	
7-16	Pier	75 x 15	
7-17	L-head pier	85 x 75	Outline only
7-18	Pontoon wharf	130 x 35	
	Approach	15	
7-19	Possible pier	70 x 55	
7-20	Pier	55 x 15	
7-21	Pontoon wharf	55 x 25	
	Approaches (2)	5	
7-22	Pontoon wharf		
	Approach		
7-23	Pontoon wharf		
	Approaches (2)		
7-24	Marine Railway	335 x 20	Visible section; 1 portal jib crane
7-25	Pontoon wharf	480 x 30	Series of pontoons and catwalks
	Approach		
7-26	Marine railway	270 x 155	14 tracks visible in [redacted] and
	Cradle	270 x 30	17 tracks visible in
7-27	Wharf	60 x 40	2 Approaches, rest silted in; Pontoon is moored at wharf
7-28	Pontoon wharf		
	Approach		
7-29	Offshore Wharf	660 x 30	1 portal jib crane and
	Approaches (3)	25	2 automotive jib cranes
	Craneway	630 x 25	
8-1	Marginal wharf	475	2 automotive cranes
8-2	Pontoon wharf	55 x 25	
	Approach	15	
8-3	Marginal wharf	975	
8-4	Marginal wharf	85	
8-5	Shang-hai Shipyard Shang-hai Dock-yards New Works		See NPIC Report R-82
8-6	T-head pier		
	Approach		
8-7	Pontoon wharf	360 x 30	Series of pontoons and catwalks
	Approaches (5)	10	
8-8	Ferry terminal	75 x 25	Pontoon
8-9	Pontoon wharf	200 x 30	
	Approaches (2)	20	
8-10	Offshore Wharf	200 x 40	Floating Crane
	Approaches (2)	20	
8-11	Marginal Wharf	3570	1 portal jib crane and
	Craneway	1050 x 25	3 automotive cranes
8-12	Pontoon wharf	960 x 30	Series of pontoons
	Approaches (5)	20	
8-13	Pontoon wharf	305 x 30	Series of pontoons
	Approaches (2)	20	
8-14	Pier	100 x 20	
	Pontoon wharf	315 x 30	Series of pontoons
8-15	Approaches (2)	15	
9-1	Pontoon wharf		Covered
	Approaches (2)	100 x 40	
		15	
9-2	Pontoon wharf		
	Approach		
9-3	Finger pier		
9-4	Pontoon wharf	70 x 25	
	Approach	25*	
9-5	Pontoon wharf/Breasting platform		
9-6	Pier	60 x 15	
9-7	Pier	40 x 20	
9-8	Pier	40 x 20	
9-9	Probable pontoon wharf	45 x 25	

Figure/Item	Description	Dimensions (ft)	Remarks
9-10	Pier	40 x 15	
9-11	Pier	55 x 15	
9-12	L-head pier	90 x 25	
	Approach	20	
9-13	T-head pier	305 x 10	
	Approach	20	
9-14	Pier	95 x 10	
9-15	Marginal wharf	345 x 20	Includes offshore extension; overhead coal conveyor
9-16	Pontoon wharf	605 x 30	Series of pontoons and catwalks
	Approaches (5)	15	
9-17	Pontoon wharf		
	Approach		
9-18	Pontoon wharf	200 x 25	Series of pontoons
	Approaches (2)	10	
9-19	Ferry terminal		
9-20	Marginal wharf	2,390	3 automotive cranes
9-21	Marginal wharf	750	Coal storage
9-22	Pontoon wharf	45 x 15	
	Approach	10	
9-23	Pier	30 x 15	
9-24	Pier	60 x 15	
9-25	Pontoon wharf	170 x 25	Series of pontoons
	Approaches (2)	60 x 10	
9-26	Pier	60 x 15	
9-27	Pontoon wharf	150 x 25	
	Approach	10	
9-28	Shang-hai Shipyard Shang-hai Dock-yard (International Dock)		See NPIC Report R-95
10-1	Marginal wharf	45 x 40	
10-2	Marginal wharf		Possibly covered
10-3	T-head pier	55 x 10	
	Approach	10	
10-4	T-head pier		In wet basin
	Approach		
10-5	Quay	275	Faces wet basin
10-6	Quay	630	Overhead conveyor
10-7	Pier	45 x 15	
10-8	Ferry terminal		
10-9	Pontoon wharf	100 x 20	
	Approach	10	
10-10	Pier	90 x 5	
10-11	Pontoon wharf	650 x 30	Series of pontoons and catwalks
	Approaches (3)	15	
10-12	T-head pier	220 x 40	
	Approach	25	
10-13	Pontoon wharf	155 x 30	
	Approaches (2)	15	
10-14	Pontoon wharf	45 x 15	
	Approach	15	
10-15	Breasting platforms (3)	25 x 20	
10-16	Marine railway	105 x 20	1 set of tracks
10-17	Pontoon wharf	150 x 25	
	Approach	15	
10-18	Pontoon wharf	170 x 25	2 pontoons and catwalks
	Approach		
10-19	Ferry terminal		
10-20	Hu-Tung Shipyard		See NPIC Report R-86
11-1	Chung Hua Shipyard		See NPIC Report R-171
11-2	Off-shore wharf	390 x 35	
	Approaches (2)	40	
11-3	Pontoon wharf	110 x 25	
	Approach	10	
11-4	Boatyard		
	Marine railways (2)	165 x 15	End haul type
	Transverser, 8 rails	265 x 100	Inland from marine railways
	Cradle	265 x 10	
	Building ways (7)	265 x 125	Inland from transverser
	Building way	265 x 165	Riverward from transverser, area includes marine railways

Figure/Item	Description
11-5	Pontoon wharf
	Approaches (3)
11-6	T-head pier
	Approach
11-7	Offshore wharf
	Approaches (4)
11-8	Offshore wharf
	Approaches (3)
11-9	T-head pier
	Approach
11-10	Pontoon wharf
	Approaches (3)
11-11	L-head pier
	Approach
11-12	L-head pier
	Approach
11-13	Pier
12-1	Wharf
	Approaches (3)
12-2	Wharf
	Approaches (3)
12-3	Pontoon wharf
	Approach
12-4	Offshore wharf
	Approaches (2)
13-1	L-head pier
	Approach
13-2	Pier
13-3	Pier
13-4	Marginal wharf
13-5	Pier
13-6	Pier
13-7	Pier
14-1	T-head pier
	Approach
14-2	Pontoon wharf
	Approaches (3)
14-3	Approaches (2)
14-4	T-head pier
	Approach
14-5	Pontoon wharf
	Approach
14-6	Pontoon wharf
	Approach
14-7	T-head pier
	Approach
14-8	Pontoon wharf
	Approaches (6)
14-9	Pontoon wharf
	Approach
14-10	Pontoon wharf
	Approach
14-11	Pontoon wharf
	Approaches (2)
14-12	Pontoon wharf
	Approach
14-13	Pontoon wharf
	Approach
14-14	Pier
14-15	Pontoon wharf
	Approach
14-16	T-head pier complex
	Approach
15-1	T-head pier
	Approach
15-2	Pontoon wharf
	Approach

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TABLE 1. (Continued)

Remarks	Figure/Item	Description	Dimensions (ft)	Remarks
	11-5	Pontoon wharf	635 x 25	Series of pontoons and catwalks
		Approaches (3)	10	
	11-6	T-head pier	195 x 40	2 overhead conveyors
		Approach	35	to probable ice house
	11-7	Offshore wharf	760 x 35	1 overhead conveyor
		Approaches (4)	40	2 Covered
offshore extension;	11-8	Offshore wharf	1160 x 30	Connected to item 11-7 by pon-
d coal conveyor		Approaches (3)	25	toons-timbers against faces of
pontoons and catwalks	11-9	T-head pier		landing structures Breasting platform and dolphins
				connected by catwalks;
		Approach		1 overhead conveyor to mainland
	11-10	Pontoon wharf	540 x 35	Series of pontoons and catwalks
pontoons		Approaches (3)	15	
	11-11	L-head pier	110 x 15	Oil pier
		Approach	10	
ve cranes	11-12	L-head pier	25 x 10	25X1D
age		Approach	25	
	11-13	Pier	50 x 10	
	12-1	Wharf	555 x 50	Combination marginal and offshore
		Approaches (3)	45	
	12-2	Wharf	550 x 50	Combination marginal and offshore
pontoons		Approaches (3)	45	
	12-3	Pontoon wharf	200 x 30	1 possible conveyor
		Approach	10	
	12-4	Offshore wharf	230 x 40	
		Approaches (2)	20	
	13-1	L-head pier	90 x 25	
		Approach	10	
	13-2	Pier	135 x 10	
C Report R-95/65 (May 65)	13-3	Pier	135 x 10	
	13-4	Marginal wharf	155 x 65	
covered	13-5	Pier	135 x 10	
	13-6	Pier	135 x 10	
	13-7	Pier	45 x 20	
ain	14-1	T-head pier	80 x 30	
		Approach	20	
t basin	14-2	Pontoon wharf	365 x 30	
d conveyor		Approaches (3)	20	
	14-3	Approaches (2)		Unused
	14-4	T-head pier	115 x 30	
		Approach		
	14-5	Pontoon wharf	125 x 15	
		Approach	20	
pontoons and catwalks	14-6	Pontoon wharf	115 x 25	
		Approach	20	
	14-7	T-head pier	395 x 20-40	
		Approach	20	
	14-8	Pontoon wharf	945 x 25	Series of pontoons and catwalks;
		Approaches (6)	20	4 pipelines onto structure and
				2 unused approaches
	14-9	Pontoon wharf	70 x 25	Pipeline onto structure
		Approach	20	
	14-10	Pontoon wharf	110 x 30	
racks		Approach	15	
	14-11	Pontoon wharf	250 x 30	
s and catwalks		Approaches (2)	20	
	14-12	Pontoon wharf	250 x 30	
		Approach	20	
	14-13	Pontoon wharf	250 x 30	
C Report R-56/65 (Apr 65)		Approach	20	
C Report R-171/65 (Apr 65)	14-14	Pier	75 x 10	
	14-15	Pontoon wharf	250 x 30	
		Approach	15	
	14-16	T-head pier complex	305 x 30	Complex composed of a T-head
		Approach	25	pier, 2 breasting platforms and
				catwalks
ype	15-1	T-head pier	90 x 15	Oil pier
		Approach	15	
	15-2	Pontoon wharf	225 x 30	
om marine railways.		Approach	20	
om transverser				
d from transverser, area				
s marine railways				

Figure Item	Description	Dimensions (ft)	Remarks
15-3	Pontoon wharf	225 x 30	
	Approach	15	
15-4	Pontoon wharf	225 x 30	
	Approach	20	
15-5	T-head pier	70 x 15	
	Approach	15	
15-6	Pontoon wharf	55 x 20	
	Approach	15	
15-7	Pontoon wharf	170 x 20	2 overhead coal conveyors
	Approaches (2)	10	
15-8	Pontoon wharf	340 x 20	2 overhead coal conveyors
	Approaches (2)	20	
15-9	Breasting platforms		
	(2)	45 x 30	
	Approaches	10	
15-10	Offshore wharf	25 x 20	Overhead conveyor
	Approaches (2)	10	
15-11	Pontoon wharf	320 x 30	
	Approach		
15-12	Pier	75 x 30	
15-13	Pontoon wharf	35 x 20	
	Approach	10	
15-14	Pontoon wharf	475 x 30	
	Approach	10	
16-1	L-head pier	20 x 10	
	Approach	10	
16-2	Marginal wharf	115 x 30	
16-3	Marine railway	180 x 100	3 sets of rails; end haul
16-4	Marginal wharf	645 x 60	
16-5	Graving dock	265 x 40	
16-6	Marine railway	125 x 30	1 set of rails; end haul
16-7	Pontoon wharf	50 x 20	
	Approach	15	
17-1	Marginal wharf	490 x 60	Conveyors present in [redacted] removed
17-2	Off-shore wharf	370 x 40	
	Approach	30	
	Approaches (2)	20	
17-3	Marginal wharf	1560	Curved face; 1 possible portal jib crane
17-4	Pontoon wharf	130 x 35	
	Approach	10	
17-5	Pontoon wharf	75 x 35	
	Approach	10	
17-6	Pier	50 x 10	
17-7	Pontoon wharf	45 x 15	
	Approach	10	
17-8	Pontoon wharf	75 x 30	
	Approach	15	
17-9	Probable pontoon	65 x 10	
	wharf		
	Approach	10	
17-10	Pontoon wharf	35 x 10	
	Approach	1050 x 10	
18-1	Pontoon wharf	70 x 25	
	Approach	20	
18-2	Pontoon wharf	80 x 25	
	Approach		
18-3	Off-shore wharf		
	Complex	680	
	Face	340 x 35	
	Approaches (3)	15	
	Curved Approach	15	
	Catwalk	20	Catwalk connects wharf and down-
			stream approach
18-4	Pontoon wharf	300 x 30	Pontoons and catwalk
	Approaches (2)		
18-5	Basin and 2 moles		Small boats only
18-6	Offshore wharf	240 x 30	
	Approaches (3)	15	
18-7	Long approach	1650 x 10	Possibly under construction

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CHARTS

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US Air Target Chart, Series 200, Sheet 0492-7HL, 2d ed, Dec 62 (SECRET)

REQUIREMENT

[redacted]

NPIC PROJECT

12037/64 (partial answer)

[redacted]